

PRODUCTION OF ULTRAHIGH-MOLECULAR-WEIGHT POLYETHYLENE

Patent number: JP7118325
Publication date: 1995-05-09
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Classification:
- **international:** C08F4/69; C08F10/02
- **european:**
Application number: JP19930290058 19931026
Priority number(s): JP19930290058 19931026

Abstract of JP7118325

PURPOSE:To produce an ultrahigh-mol.-wt. polyethylene using a new catalyst system different from those conventionally used. **CONSTITUTION:**A flaky ultrahigh-mol.-wt. polyethylene having a wt.-average mol.wt. of 1×10^6 or higher and a density of 0.930-0.950g/cm³ is obtd. by polymerizing ethylene at 70 deg.C or higher in the presence of a catalyst contg. at least a chromium compd., an amine or a metal amide, and an alkylaluminum compd.

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